

SUBJECT INDEX TO VOLUME 39

	PAGE
Alfalfa varieties in solutions of varying osmotic pressure and relationship to winter hardness, Germination of.....	384
Alsike clover pollination by honey bees in the Peace River region.....	505
Amphiploid of <i>Triticum-Agropyron</i> hybrids, Polyspory in an.....	272
"Anthraxylate" soil treatments, Note on The response of several vegetables to....	253
<i>Antirrhinum majus</i> , Inheritance of shades of bronze and pink flowers of.....	329
Apricot varieties on peach seedling rootstock, Some symptoms of stock-scion incompatibility of.....	194
Artificial defoliation on sunflowers, Effects of.....	108
Barley autotetraploids, Fertility of:	
I. Fertility in successive generations of four autotetraploid barley varieties and the effect of selection for fertility in the O.A.C. 21 autotetraploid..	98
Barley de-awner, A small.....	241
Birdsfoot trefoil, Note on Inheritance of ability to survive winter-killing conditions in	125
Bluebunch wheat-grass from nitrogen fertilization, Increase in yield and protein content of native.....	501
Boron toxicity in oats, Note on.....	401
Broadleaf birdsfoot trefoil, <i>Lotus corniculatis</i> L., The inheritance of leaf size in....	141
Bromegrass, <i>Gromus inermis</i> Leyss, Sampling for seed weight determination in....	158
Buckwheat, (<i>Fagopyrum tataricum</i> (L.) Gaertn.), Studies on seed dormancy, plant development, and chemical control of Tartary:	
III. Chemical control and effects of competition.....	63
Cabbage maggot in radish, and resultant residues, Broadcast treatments for control of the.....	43
Cereal seeds with poisonous chemicals, Note on A fume cabinet for use when treating	255
Cereal variety trials, Variation among rows in power-seeded.....	25
Chemical control of the narcissus bulb fly, <i>Lampetia equestris</i> (F.), in British Columbia.....	56
Cherry and western X little cherry, The identity of small bitter.....	183
Cherry fruits from individual trees, Variation in weight, volume and diameter of sour.....	210
Chopper for forage samples, Note on A portable.....	400
Clover (<i>Trifolium pratense</i> L.), The control of growth and development of red:	
I. Recording and analysis of developmental patterns of morphogenesis... ..	9
Corn as influenced by pre-harvest foliar desiccation, Kernel moisture and yield of..	39
Cucumber, Effects of various levels of calcium, magnesium, and sulphur in nutrient solution on fecundity of the two-spotted spider mite, <i>Tetranychus telarius</i> (L.) (Acarina: Tetranychidae), reared on.....	92
Curing burley tobacco with artificial aids, Investigations of.....	284
Cytogenetic studies in the genus <i>Hordeum</i> :	
II. Interspecific and in intergeneric crosses.....	375
DDT oil solutions, Evaporation rates of small drops of two.....	204
Diseases, Effect of insecticides and herbicides applied to soil on the development of plant:	
II. Early blight and fusarium wilt of tomato.....	30
Dollard red clover, Embryo-sac production in relation to seed yields of diploid....	364
Dry-berry disease of the loganberry, <i>Rhizoctonia rubi</i> sp. nov. associated with the	82
Electrolytic procedure for differentiating between frost injury of roots and shoots in woody plants, Note on An.....	512
Embryo-sac production in relation to seed yields of diploid Dollard red clover.....	364

	PAGE
Ensiling losses of forage crops, The effect of initial compaction and moisture content on.....	127
Fertilizer and 2, 4-D in the control of pasture weeds, The role of.....	278
Field experiments with vegetable crops as influenced by plot and block size and shape, The precision of:	
I. Sweet corn.....	443
Flax, Influence of the ester of 2,4-D applied at various growth stages for the control of Russian thistle (<i>Salsola pestifer</i> Nels.) in.....	458
Foliar desiccation, Kernel moisture and yield of corn as influenced by pre-harvest.....	39
Forage crops adapted to southwestern Saskatchewan as determined by their digestibility and dry matter intake when fed to sheep, Nutritional quality of.....	417
Forage crops, The effect of initial compaction and moisture content on ensiling losses of.....	127
Forage yields of six grass and legume species, Effects of gibberellin on.....	175
Frost injury of roots and shoots in woody plants, Note on An electrolytic procedure for differentiating between.....	512
Fruit growing in Summerland, British Columbia, Relation of soil, temperature and topography to.....	297
Fruit setting, A study of the megagametophyte in <i>Prunus avium</i> and its relation to.....	466
Fume cabinet for use when treating cereal seeds with poisonous chemicals, Note on A.....	255
Gibberellic acid on the nicotine content of cigar tobacco, Influence of.....	48
Gibberellin and dates of seeding on winter survival and vegetative yield of Kharkov wheat, Effects of seed treatments with.....	293
Gibberellin on forage yields of six grass and legume species, Effects of.....	175
Gray leaf spot of rape in Manitoba.....	409
Greenhouse crops to supplementary illumination during the winter months in Nova Scotia, Response of.....	135
Honey bees in the Peace River region, Alsike clover pollination by.....	505
<i>Hordeum</i> , Cytogenetic studies in the genus:	
II. Interspecific and intergeneric crosses.....	375
Hybrids in seedlots of first generation Advance sunflowers by means of seedling characteristic, A method for estimating the percentage of.....	71
Illumination during the winter months in Nova Scotia, Response of greenhouse crops to supplementary.....	135
Infections by <i>Helminthosporium sativum</i> and <i>Fusarium culmorum</i> , Recovery in wheat from early.....	187
Insecticides applied to the soil, Control of the European wireworm, <i>Agriotes obscurus</i> (L.) in Nova Scotia with.....	498
Insecticides and herbicides applied to soil on the development of plant diseases, Effect of:	
II. Early blight and fusarium wilt of tomato.....	30
Irrigated pastures, Rates of seeding.....	264
Irrigation on flue-cured tobacco, Some effects of sprinkler.....	164
Kernel colour in wheat, Inheritance of blue.....	1
Kharkov wheat, Effects of seed treatments with gibberellin and dates of seeding on winter survival and vegetative yield of.....	293
Leaf size in broadleaf birdsfoot trefoil, <i>Lotus corniculatus</i> L., The inheritance of... ..	141
Loganberry, <i>Rhizoctonia rubi</i> sp. nov. associated with the dry-berry disease of.....	82
Marquis wheat, Garnet wheat and Wintex barley, The relative effectiveness of standard cool white fluorescent and incandescent light in the photoperiodic response of.....	229
McIntosh apples in relation to starch loss and abscission, Maturation of.....	257

	PAGE
Narcissus bulb fly, <i>Lampetia equestris</i> (F.), in British Columbia, Chemical control of the	56
Necrotic ring spot in relation to time of inoculation, Symptoms of sour cherry yellows and.....	431
Nitrogen fertilization, Increase in yield and protein content of native bluebunch wheat-grass from	501
Oats, Note on Boron toxicity in.....	401
Ontario, Near-wilt of peas in	483
Ontario, Surveys of air-borne ragweed pollen in Canada with particular reference to sites in	491
<i>Ophiobolus graminis</i> Sacc. from the same source as wheat pathogens in natural and sterilized soil, The comparative activity of monosporous and mycelial isolates of	405
Orchard grass, <i>Dactylis glomerata</i> L., The effects of seeding rate and row width in relation to seed production in	355
Peach tree borer, <i>Synanthedon pictipes</i> (G. & R.) (Lepidoptera: Aegeriidae) in Essex County, Ontario, Chemical control of the lesser.....	75
Peas in Ontario, Near-wilt of	483
Pea viner, Note on A plot-size canning.....	402
Photoperiodic response of Marquis wheat, Garnet wheat and Wintex barley, The relative effectiveness of standard cool white fluorescent and incandescent light in the.....	229
Plant growth chamber, An inexpensive.....	80
Potassium in plant metabolism:	
II. Effect of potassium upon the carbohydrate and mineral composition of potato plants.....	246
Potatoes in Ontario by application of insecticides to the soil, Control of the eastern field wireworm, <i>Limoniun agonus</i> (Say), in early.....	342
<i>Prunus avium</i> and its relation to fruit setting, A study of the megagametophyte in ..	466
Radish, and resultant residues, Broadcast treatments for control of the cabbage maggot in	43
Ragweed pollen in Canada with particular reference to sites in Ontario, Surveys of air-borne.....	491
Rape in Manitoba, Gray leaf spot of.....	409
Rapeseed, Varietal and environmental effects on:	
I. Isothiocyanate and thioxazolidone content.....	395
II. Fatty acid composition of the oil	437
Root weevils in strawberries in British Columbia, Soil insecticides for control of ..	86
Russian thistle (<i>Salsola pestifer</i> Nels.) in flax, Influence of the ester of 2, 4-D applied at various growth stages for the control of	458
Rust resistance, The inheritance of:	
IV. Monosomic analysis of rust resistance and some other characters in six varieties of wheat including Gabo and Kenya Farmer.....	215
V. The inheritance of resistance to Race 15B of stem rust in ten varieties of durum wheat.....	316
Rye, The effect of swathing at different stages of maturity on the bushel weight and yield of fall.....	477
Seed dormancy, plant development, and chemical control of Tartary buckwheat, (<i>Fagopyrum tataricum</i> (L.) Gaertn.):	
III. Chemical control and effects of competition.....	63
Seeding irrigated pastures, Rates of	264
Seed production in orchard grass, <i>Dactylis glomerata</i> L., The effects of seeding rate and row width in relation to.....	355
Seed weight determination in brome grass, <i>Bromus inermis</i> Leyss, Sampling for	158

	PAGE
Sheep, Nutritional quality of forage crops adapted to southwestern Saskatchewan as determined by their digestibility and dry matter intake when fed to.	417
Sour cherry yellows and necrotic ring spot in relation to time of inoculation, Symptoms of.	431
Spider mite, <i>Tetranychus telarius</i> (L.) (Acarina: Tetranychidae), reared on cucumber, Effects of various levels of calcium, magnesium, and sulphur in nutrient solution on fecundity of the two-spotted.	92
Starch loss and abscission, Maturation of McIntosh apples in relation to.	257
Stock-scion incompatibility of apricot varieties on peach seedling rootstock, Some symptoms of.	194
Strawberries in British Columbia, Soil insecticides for control of root weevils in.	86
Sucker growth on cigar tobacco, The use of chemicals to suppress.	350
Sunflowers by means of a seedling characteristic, A method for estimating the percentage of hybrids in seedlots of first generation Advance.	71
Sunflowers, Effects of artificial defoliation on.	108
Swathing at different stages of maturity on the bushel weight and yield of fall rye, The effect of.	477
Temperature and other factors upon the germination of vegetable crops, A study of the effects of:	
II. Peas.	119
Tobacco, Influence of gibberellic acid on the nicotine content of cigar.	48
Tobacco, Some effects of sprinkler irrigation on flue-cured.	164
Tobacco, The use of chemicals to suppress sucker growth on cigar.	350
Tobacco with artificial aids, Investigations of curing barley.	284
<i>Triticum-Agropyron</i> hybrids, Polyspory in an amphiploid of.	272
Vegetable crops as influenced by plot and block size and shape, The precision of field experiments with:	
I. Sweet corn.	443
Vegetable crops, A study of the effects of temperature and other factors upon the germination of:	
II. Peas.	119
Vegetables to "anthraxylate" soil treatments, Note on The response of several.	253
Weeds, The role of fertilizer and 2,4-D in the control of pasture.	278
Wheat from early infections by <i>Helminthosporium sativum</i> and <i>Fusarium culmorum</i> , Recovery in.	187
Wheat, Inheritance of blue kernel colour in.	1
Wheat pathogens in natural and sterilized soil, The comparative activity of monosporous and mycelial isolates of <i>Ophiobolus graminis</i> Sacc. from the same source as.	405
Wireworm, <i>Agriotes obscurus</i> (L.) in Nova Scotia with insecticides applied to the soil, Control of the.	498
Wireworm, <i>Limonijs agonus</i> (Say), in early potatoes in Ontario by application of insecticides to the soil, Control of the eastern field.	342
Woody plants, Note on An electrolytic procedure for differentiating between frost injury of roots and shoots in.	512

AUTHOR INDEX

	PAGE		PAGE
Anderson, D. T.....	402	Hunter, A. W. S.....	329
Anderson, R. G.....	316	Hurd, E. A.....	1
Andison, H.....	56,86	Kalbfleisch, W.....	241
Andrews, J. E.....	25	Kalton, R. R.....	158
Anstey, T. H.....	297	Kemp, J. G.....	241
Armstrong, J. M.....	272	Kenaschuk, E. O.....	316
Bassett, I. John.....	491	Knott, D. R.....	215,316
Begg, J. A.....	342	Langille, W. M.....	401
Boyce, H. R.....	75	Lapins, K.....	194
Boyes, J. W.....	364	Lawson, N. C.....	125
Bubar, J. S.....	125	LeRoux, E. J.....	92
Campbell, J. B.....	417	Loiselle, R.....	375
Christie, B. R.....	158	Lott, T. B.....	183
Cooper, D. J.....	127	MacKay, D. C.....	253
Cordukes, W. E.....	127	MacNeill, Blair H.....	483
Corns, William G.....	63	Mahoney, J. F.....	401
Corns, Wm. G.....	293	Mason, J. L.....	501
Craig, B. M.....	395,437	McDonald, W. C.....	409
Craig, D. L.....	135	McEvoy, E. T.....	350
Cram, W. T.....	56,86	McKeen, W. E.....	82
Cumming, Bruce G.....	9	McKenzie, A. Roy.....	405
Davidson, T. R.....	210,431	Miles, J. R. W.....	43
Dodds, M. E.....	477	Miltimore, J. E.....	501
Donovan, L. S.....	141	Montgomery, F. H.....	80
Eaton, G. W.....	466	Morrison, J. W.....	375
Eaves, C. A.....	253	Mortimore, C. G.....	39
Elliott, C. R.....	505	Nielsen, K. F.....	175
Finn, B. J.....	175	Nonnecke, I. L.....	119,402,443
Fisher, J. E.....	229	Ouellette, G. J.....	278
Fox, C. J. S.....	498	Pankiw, P.....	505
Friend, D. J. C.....	229	Parups, E. V.....	48
Fulkerson, R. S.....	355	Peake, R. W.....	264
George, J. A.....	210,431	Phillips, W. R.....	257
Girard, J.-Marc.....	400	Poapst, P. A.....	257
Grant, M. N.....	25	Povilaitis, Bronius.....	364
Guitard, A. A.....	255	Reinbergs, E.....	98
Hannah, A. E.....	241,375	Richardson, Lloyd T.....	30
Harcourt, D. G.....	43	Riddell, R. T.....	80
Hattersely-Smith, M.....	272	Sackston, W. E.....	108
Hay, J. R.....	278	Sallans, B. J.....	187
Heinrichs, D. H.....	384	Sampson, D. R.....	329
Helson, V. A.....	229	Scott, W. A.....	284
Henry, A. W.....	405	Sexsmith, J. J.....	458
Hoffman, I.....	350	Shearer, D. A.....	127
Hopewell, W. W.....	204	Shebeski, L. H.....	98
Howard, Helen.....	483	Smeltzer, G. G.....	498

	PAGE		PAGE
Smith, A. D.....	25	Walker, E. K.....	164
Sprout, P. N.....	297	Ward, G. M.....	246,257
Stefansson, B. R.....	71	Watt, A. W.....	297
Strachan, G.....	402	Weiss, G. M.....	297
Symko, S.....	375	Wells, S. A.....	25
Torfason, W. E.....	119	Wetter, L. R.....	395,437
Troelsen, J. E.....	417	Wilcox, J. C.....	297
Vanden Born, William H.....	63	Wilner, J.....	512
Vickery, L. S.....	164	Wilson, D. B.....	264

